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IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims

1-6. (Canceled)

7. (Currently Amended) An information transmission apparatus for transmitting information through a first transmission path, comprising:

receiving means for receiving a broadcasting signal from a second transmission path;

demodulation means for demodulating the signal received by the receiving means; and

modulation means for modulating the signal demodulated by the demodulation means,

wherein the modulation means includes network information replacement means for replacing network information demodulated by the demodulation means with information for the first transmission path,

wherein the information for the first transmission path includes a first delivery system descriptor and the network information includes a second delivery system descriptor, ~~and~~

wherein said first delivery system descriptor has a length equal to said second delivery system descriptor,

wherein service identifiers of network information that are not retransmitted are deleted and placeholder data for the deleted service identifiers is added, and

wherein a plurality of service list descriptors are appended to ~~said service identifiers~~ a transport stream identifier which are used to identify a new or previous transmission.

8. (Canceled)

9. (Previously Presented) An apparatus according to claim 7, characterized in that the network information replacement means includes network information extraction means for extracting the network information of the signal demodulated by the demodulation means, network information conversion means for converting the network information extracted by the network information extraction means in compliance with a network to which the network information is to be retransmitted, and network information reinsertion means for replacing the network information of the signal demodulated by the modulation means with the information for the first transmission path, using the network information converted by the network information conversion means as the information for the first transmission path.

10. (Original) An apparatus according to claim 9, characterized in that the first transmission path is a cable television channel, and the second transmission path is a satellite broadcasting channel.

11. (Original) An apparatus according to claim 10, characterized in that the network information replacement means extracts, from a signal from an arbitrary satellite system

network among a plurality of satellite system networks, a network information item concerning the arbitrary satellite system network, and a network information item concerning another satellite system network, by means of the network information extraction means, converts respectively the network information items into network information items that comply with a network to which the network information items are to be retransmitted, and replaces the network information of the signal demodulated by the demodulation means with information for a cable, using the network information items converted by the network information conversion means as the information for the cable.

12. (Currently Amended) An information transmission method for transmitting information through a first transmission path, said method comprising:

a receiving step of receiving a broadcasting signal from a second transmission path;

a demodulation step of demodulating the signal received in the receiving step; and

a modulation step of modulating the signal demodulated by the demodulation step,

wherein the modulation step includes a step of replacing network information demodulated by the demodulation step with information for the first transmission path,

wherein the information for the first transmission path includes a first delivery system descriptor and the network information includes a second delivery system descriptor, ~~and~~

wherein said first delivery system descriptor has a length equal to said second delivery system descriptor,

wherein service identifiers of network information that are not retransmitted are deleted and placeholder data for the deleted service identifiers is added, and

wherein a plurality of service list descriptors are appended to ~~said service identifiers~~ a transport stream identifier which are used to identify a new or previous transmission.

13. (Canceled)

14. (Previously Presented) A method according to claim 12, characterized in that the network information replacement step includes a network information extraction step of extracting the network information of the signal demodulated in the demodulation step, a network information conversion step of converting the network information extracted in the network information extraction step so as to comply with a network to which the network information is to be retransmitted, and a network information reinsertion step of replacing the network information of the signal demodulated in the modulation step with the information for the first transmission path, using the network information converted in the network information conversion step as the information for the first transmission path.

15. (Previously Presented) A method according to claim 12, characterized in that the first transmission path is a cable television channel, and the second transmission path is a satellite broadcasting channel.

16. (Original) A method according to claim 15, characterized in that in the network information replacement step, from a signal from an arbitrary satellite system network among a plurality of satellite system networks, a network information item concerning the arbitrary satellite system network and a network information item concerning another satellite system network are extracted,

in the network information conversion step, the network information items extracted in the network information extraction step are converted into network information items that comply with a network to which the network information items are to be retransmitted, and

in the network information reinsertion step, the network information of the signal demodulated in the demodulation step with information for a cable, using the network information items converted in the network information conversion step as the information for the cable.

17-18. (Canceled)